



ABSTRACT OF THE DISCLOSURE

An apparatus and method for mounting a reflector antenna system on an outer surface of an aircraft which minimizes a swept arc of a main reflector. This allows the effective frontal area of the main reflector to be reduced such that a radome with a smaller frontal area can be employed to cover the antenna system. The preferred embodiments make use of a platform which rotates the main reflector about an azimuthal axis which is disposed forwardly of an axial center of the main reflector. In one embodiment, the azimuthal axis is located in a plane extending between the outermost lateral edges of the main reflector. In another embodiment the azimuthal axis is located forwardly of the outermost lateral edges of the main reflector.

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